

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1167	(600/509).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/26 15:26
S2	1167	(600/509).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/27 11:18
S3	3	("5623935" "5778881" "6309342").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:10
S6	27289	electrocardiogra\$4 ecg ekg elektrokardiogra4 pqrst	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 13:23
S8	30618	parameterize parametric parameterization	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:21
S9	5397	affine	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:21
S10	4544147	((T t-wave) (p p-wave) same ( magnitude amplitude)) ((qt q-t pr-pr) same delay interval)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:24
S11	12201	pca ((principal near3 component) near3 analysis)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:25
S12	43811	gaussian half-guassian (half adj gaussian)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 13:41
S13	8463	markov (hidden near3 markov)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:26
S14	5274	(hidden near3 markov)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:26
S15	831	S6 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:26

## EAST Search History

S16	17	S15 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:26
S17	16	S16 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:26
S18	4	S17 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:28
S19	0	S18 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:26
S20	0	S18 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:26
S21	18844	S6 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:27
S22	248	S21 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:27
S23	3	S22 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:27
S24	12	S17 not S18	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:35
S25	5238	"32" and S13	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:35
S26	248	S22 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:49
S27	33	S26 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:36

## EAST Search History

S28	24	S27 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:36
S29	7	S28 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:36
S30	17	S28 not S29	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:36
S31	28	S26 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 11:49
S32	20	(US-20040162495-\$ or US-20060165174-\$ or US-20050228591-\$ or US-20040230105-\$ or US-20030004652-\$ or US-20060122816-\$ or US-20040082888-\$ or US-20030074191-\$ or US-20030065535-\$ or US-20030055630-\$).did. or (US-6309342-\$ or US-5778881-\$ or US-5623935-\$ or US-6850252-\$ or US-5889524-\$ or US-6882990-\$ or US-6789069-\$ or US-6827695-\$ or US-6705990-\$ or US-5680866-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/27 13:23
S33	20	S32 and (electrocardiogra\$4 ecg ekg elektrokardiogra4 pqrst cardiac heart)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 13:31
S34	16	S33 and markov	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 13:40
S35	9	S34 and (gaussian half-guassian (half adj gaussian))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 13:43
S36	4	S32 and affine	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/27 13:43
S37	1	("6400310").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/27 13:43

## EAST Search History

S38	21	(US-20040162495-\$ or US-20060165174-\$ or US-20050228591-\$ or US-20040230105-\$ or US-20030004652-\$ or US-20060122816-\$ or US-20040082888-\$ or US-20030074191-\$ or US-20030065535-\$ or US-20030055630-\$).did. or (US-6309342-\$ or US-5778881-\$ or US-5623935-\$ or US-6850252-\$ or US-5889524-\$ or US-6882990-\$ or US-6789069-\$ or US-6827695-\$ or US-6705990-\$ or US-5680866-\$ or US-6400310-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/28 10:32
S39	5	S38 and (affine monotonic paramterized)	US-PGPUB; USPAT	OR	ON	2006/09/28 10:32
S40	3	S39 and markov	US-PGPUB; USPAT	OR	ON	2006/09/28 10:33
S41	20	(US-20040162495-\$ or US-20060165174-\$ or US-20050228591-\$ or US-20040230105-\$ or US-20030004652-\$ or US-20060122816-\$ or US-20040082888-\$ or US-20030074191-\$ or US-20030065535-\$ or US-20030055630-\$).did. or (US-6309342-\$ or US-5778881-\$ or US-5623935-\$ or US-6850252-\$ or US-5889524-\$ or US-6882990-\$ or US-6789069-\$ or US-6827695-\$ or US-6705990-\$ or US-5680866-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/28 10:48
S42	20	S41 and (electrocardiogra\$4 ecg ekg electrokardiogra4 pqrst cardiac heart)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/28 11:01
S43	14	S38 and (subtract withdraw extract)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/28 11:13
S44	2	((("6309342") or ("5623935"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/28 11:13

## EAST Search History

S45	21	(US-20040162495-\$ or US-20060165174-\$ or US-20050228591-\$ or US-20040230105-\$ or US-20030004652-\$ or US-20060122816-\$ or US-20040082888-\$ or US-20030074191-\$ or US-20030065535-\$ or US-20030055630-\$).did. or (US-6309342-\$ or US-5778881-\$ or US-5623935-\$ or US-6850252-\$ or US-5889524-\$ or US-6882990-\$ or US-6789069-\$ or US-6827695-\$ or US-6705990-\$ or US-5680866-\$ or US-6400310-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/28 12:36
S46	20	S45 and (filter filtered digitized a/d a-d ad digital)	US-PGPUB; USPAT	OR	ON	2006/09/28 12:38
S47	19	S45 and (memory ram rom)	US-PGPUB; USPAT	OR	ON	2006/09/28 13:02
S48	17	S45 and (amplitude interval)	US-PGPUB; USPAT	OR	ON	2006/09/28 13:07
S49	20	S45 and (principal component pca project\$4 axis)	US-PGPUB; USPAT	OR	ON	2006/09/28 13:25
S50	19	S45 and (library train training)	US-PGPUB; USPAT	OR	ON	2006/09/28 13:29
S51	19	S45 and (linear non-linear orthogonal\$6)	US-PGPUB; USPAT	OR	ON	2006/09/28 13:29
S52	2	S45 and (orthogonal\$6)	US-PGPUB; USPAT	OR	ON	2006/09/28 13:29
S53	21	(US-20030065535-\$ or US-20030074191-\$ or US-20030004652-\$ or US-20040230105-\$ or US-20050228591-\$ or US-20030055630-\$ or US-20040082888-\$ or US-20060122816-\$ or US-20060165174-\$ or US-20040162495-\$).did. or (US-6850252-\$ or US-6705990-\$ or US-6309342-\$ or US-6827695-\$ or US-6882990-\$ or US-5778881-\$ or US-5680866-\$ or US-5889524-\$ or US-6789069-\$ or US-5623935-\$ or US-6400310-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/31 12:30
S54	2	S53 and ((bump smooth) adj function)	US-PGPUB; USPAT	OR	ON	2007/01/31 12:30

## EAST Search History

S55	1	(filter\$3 (digitiz\$3 or digital) decompos\$5 bump parameter\$4 monotonic continuous).clm.	US-PGPUB; USPAT	AND	ON	2007/01/31 12:41
S56	3	S53 and (parameter\$4 adj function)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/01/31 12:41
S57	1395	(600/509).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:28
S58	1	((medical imd physiological) and (variation monodimensional function signal) and (memoriz\$3 memory ram rom eeprom) and filter\$3 and sampl\$3 and (digital digitiz\$3 a-d a-to-d) and (processor microprocessor cpu) and (parameteriz\$3 bump)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/10/31 10:36
S59	19	(US-20030065535-\$ or US-20030074191-\$ or US-20030004652-\$ or US-20040230105-\$ or US-20050228591-\$ or US-20030055630-\$ or US-20040082888-\$ or US-20060122816-\$ or US-20060165174-\$ or US-20040162495-\$).did. or (US-6850252-\$ or US-6705990-\$ or US-6309342-\$ or US-6827695-\$ or US-6882990-\$ or US-5778881-\$ or US-5680866-\$ or US-5889524-\$ or US-6789069-\$ or US-5623935-\$ or US-6400310-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/31 10:34
S60	2	S59 and ((bump smooth) adj function)	US-PGPUB; USPAT	OR	ON	2007/10/31 10:34
S61	1	(filter\$3 (digitiz\$3 or digital) decompos\$5 bump parameter\$4 monotonic continuous).clm.	US-PGPUB; USPAT	AND	ON	2007/10/31 10:35
S62	3	S59 and (parameter\$4 adj function)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2007/10/31 10:35
S63	178	bump adj function	US-PGPUB; USPAT	AND	ON	2007/10/31 10:35
S64	0	S63 and ("600" "606" "607").clas.	US-PGPUB; USPAT	AND	ON	2007/10/31 10:35

## EAST Search History

S65	69	(medical imd physiological) and (variation monodimensional function signal) and (memoriz\$3 memory ram rom eeprom) and filter\$3 and sampl\$3 and (digital digitiz\$3 a-d a-to-d) and (processor microprocessor cpu) and ((parameteriz\$3 bump) near2 function)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/10/31 10:37
S66	53	S65 and (continuous monotonic monotonicity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/10/31 10:37
S67	11	S66 and bump	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/10/31 10:37